

## M 5.3, 42 km E of Qala i Naw, Afghanistan

Origin Time: 2022-01-17 11:40:07 UTC (Mon 16:10:07 local)

Location: 34.9213° N 63.5915° E Depth: 13.7 km

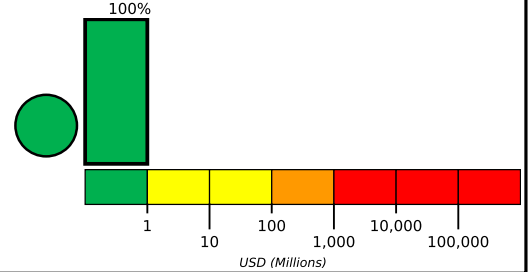
Created: 2 weeks, 4 days after earthquake

### Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

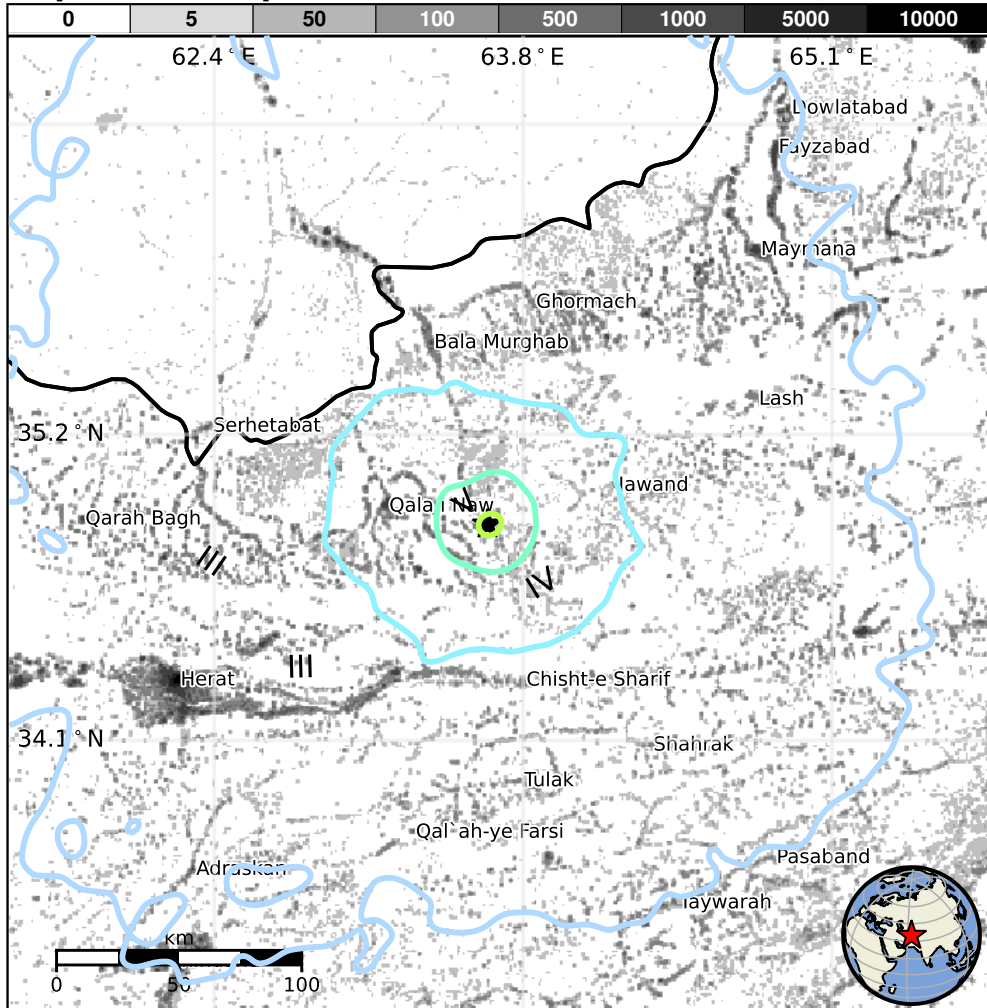


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	4,963k	374k	40k	6k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud and timber post construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1979-11-14	369	6.5	VI(4k)	280
1979-11-27	364	7.0	VII(6k)	17
1997-05-10	368	7.2	VIII(16k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Qadis	<1k
IV	<b>Qala i Naw</b>	<b>9k</b>
IV	Ab-e Kamari	<1k
IV	Qaryeh-ye Owbeh	<1k
IV	Sang Atesh	<1k
III	Jawand	<1k
III	Ghormach	30k
III	Herat	273k
III	Maymana	76k
III	Fayroz Koh	15k
II	Shibirghan	56k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000gclu#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000gclu